

B. ABSTRACT

The subject invention is an improved bridge structure comprising the use of both arch structural support systems along with suspension systems, combined together to support a multiple bridge support structure, with such multiple support systems being focused and combined through a unitary member in a center portion of the bridge, with the unitary member being an under support member in one embodiment, with such under support member supporting a portion of the bridge deck. More particularly, the subject invention is focused on utilizing multiple structural support systems for a bridge, with such multiple support systems being centered on a longitudinally extending secondary under support member, which is supported and held partially by the supplementary bridge support system, such secondary support member structurally having multiple and varied support systems and being adapted to provide an under support system as a supplementary support mechanism for the bridge structure. In summary, the subject invention comprises a secondary support system for a bridge to provide additional support to the primary support system for the bridge, such secondary support system having its forces focused on an undersupport system that is positioned beneath the bridge deck as an undersupport member that helps hold the bridge deck, along with the support provided by the primary support system.